

Claim Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claims 1-12 (cancelled).

Claim 13 (currently amended): An electrical household appliance, comprising:

a chamber to be at least partially filled with liquid during operation of the appliance;

a pump driven by a motor and connected for drawing out liquid from said chamber;

a directional valve connected to said pump;

a monitoring device configured ~~to detect a~~ for detecting an actual rotational speed of said motor delivered by a rotational speed measuring circuit and ~~[[a]]~~ an actual power of said motor ~~to compare detected values of the rotational speed and the power with a predefined characteristic, and to signal an exceptional state when a comparison result indicates that the detected values deviate significantly from the predefined characteristic~~ calculated using a current intensity delivered simultaneously by a current measuring circuit;

a read only memory connected to said monitoring device, said read only memory storing a plurality of predetermined rotational speed-power characteristics each describing a relationship between rotational speed and input electrical power, said monitoring device configured for respectively selecting a characteristic allocated to a current position of said directional valve, said monitoring device configured for reading a theoretical power value from said read only memory corresponding to the actual speed according to the characteristic, said monitoring device configured for comparing the theoretical power value with the actual power and generating a fault indication if the actual power differs from the theoretical power by more than a permissible amount.

Claim 14 (previously presented): The electrical household appliance according to claim 13, which further comprises an inlet valve communicating with and selectively admitting liquid into said chamber, a control device connected to said inlet valve for opening said inlet valve when said monitoring device signals a first exceptional state in which the power for a detected rotational speed is significantly lower than a power to be expected for the detected rotational speed with reference to the predefined characteristic.

Claim 15 (previously presented): The electrical household appliance according to claim 13, which comprises a plurality of circulating paths for selectively guiding the liquid being circulated by the pump, and wherein said monitoring device is configured to use a specific characteristic for the respectively selected circulating path as a basis for the comparison depending on the selected circulating path.

Claim 16 (previously presented): The electrical household appliance according to claim 13, wherein said monitoring device is configured to use different characteristics as a basis for the comparison in a course of a working sequence of the household appliance.

Claim 17 (previously presented): The electrical household appliance according to claim 13, wherein said control device is configured to interrupt a working sequence of the household appliance if said monitoring device signals a second exceptional state in which the power detected at a detected rotational speed is significantly higher than a power to be expected using the predefined characteristic for the detected rotational speed.

Claim 18 (currently amended): The electrical household appliance according to claim 13, wherein said control device is configured to generate a warning signal if said monitoring device signals a second exceptional state in which the actual power detected at [[a]] the detected actual rotational speed is significantly higher than a power to be expected using the predefined characteristic for the detected rotational speed.

Claim 19 (currently amended): The electrical household appliance according to claim 13, which comprises a filter disposed before an inlet to said pump, and wherein said control device is configured to initiate a flushing of said filter if said monitoring device signals a second exceptional state in which the actual power detected at [[a]] the detected actual rotational speed is significantly higher than a power to be expected using the predefined characteristic for the detected rotational speed.

Claim 20 (previously presented): The electrical household appliance according to claim 13, wherein said motor is a synchronous motor and that said monitoring device is configured to detect a rotational speed of said motor from a time behavior of an electromotive force in the windings of the motor.

Claim 21 (previously presented): The electrical household appliance according to claim 13, wherein said motor has an armature disposed in a pump chamber of said pump.

Claim 22 (previously presented): The electrical household appliance according to claim 13, which comprises a sensor for detecting an intensity and/or a voltage of a supply current to said motor connected to said monitoring device.

Claim 23 (previously presented): The electrical household appliance according to claim 13, which comprises an inverter connected for supplying the power to said motor, and wherein said inverter together with at least one of said monitoring device and said control device are combined in a component unit.

Claim 24 (previously presented): The electrical household appliance according to claim 13 configured as a dishwasher.